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WM-KN-DMxR/BT-20y — AleoBlue Wireless Single & Double Rocker Kinetic Dimmer Switch

DESCRIPTION

The AleoBlue self powered wireless Bluetooth switches use no wires or batteries. Pressing the switch creates the energy to transmit a wireless signal that controls lights or other devices.

APPLICATIONS

Indoor: retail, education, hospitality, corporate, warehouse, self storage.

Specification Features

Overview

• Installs in minutes
• Requires no wiring
• Easy to configure
• Communicates with compatible receivers Reliable Range
• Transmission range up to 98.4ft (30m)
• Unique ID of each switch activates only the intended receiver(s)
• Waterproof grade: IP20

Certification

UL Listed. All components have UL certification.

Warranty

5-year Limited Warranty. See warranty documentation for more information.

Benefits

Save Time and Money: Avoid costly and time consuming installation of hardwire switches by choosing AleoBlue wireless switches and receivers. Installing a switch doesn't have to mean tearing open a wall.

Save Energy: Save energy and money by creating Manual ON / Auto OFF controls using AleoBlue switches and occupancy sensors or by programming all lights to respond to a single master switch. AleoBlue makes it easy to keep lights and systems off when not in use!

Simple Wireless Control

• Mount switches anywhere
• Create 3 way and 4 way switches
• Control lights, motors, or other electrical loads
• Reconfigure or relocate as needed

WM-KN-DMxR/BT-20y

AleoBlue, Kinetic Powered, Wireless Bluetooth Dimmer Switch, Single & Double Rocker, Wall Mount w/ Faceplate

Ordering Information

Example: WM-KN-DMSR/BT-200

WM	KN	DMSR/BT	200
Series	**Power Source**	**Controls**	**200**
WM Wall Mount	**KN** Kinetic Powered	**DMSR/BT** Single Rocker	**Designator** 200
		DMDR/BT Double Rocker	**Designator** 202

Specifications and Dimensions subject to change without notice.

Performance Summary

ELECTRICAL	
Protocol	Bluetooth® mesh
Power Supply	Self-powered by built-in nano generator
Transmission Frequency	2.4GHz
Transmission Range (line of sight)*	Min. 98.4ft (30m)
Protection Type	IP20
Dimming Range	0.1%-100%
PHYSICAL	
Dimensions	1.77" x 4.18" x 0.75" (44.9mm x 106.2mm x 19.2mm)

*Transmission Range is highly dependent on the integration of fixtures, surrounding environment and conditions. It is recommended to conduct testing for range accuracy.
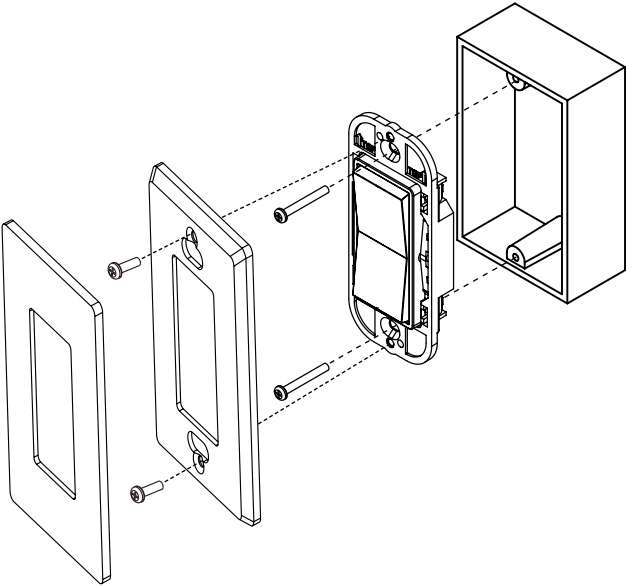
Dimensions
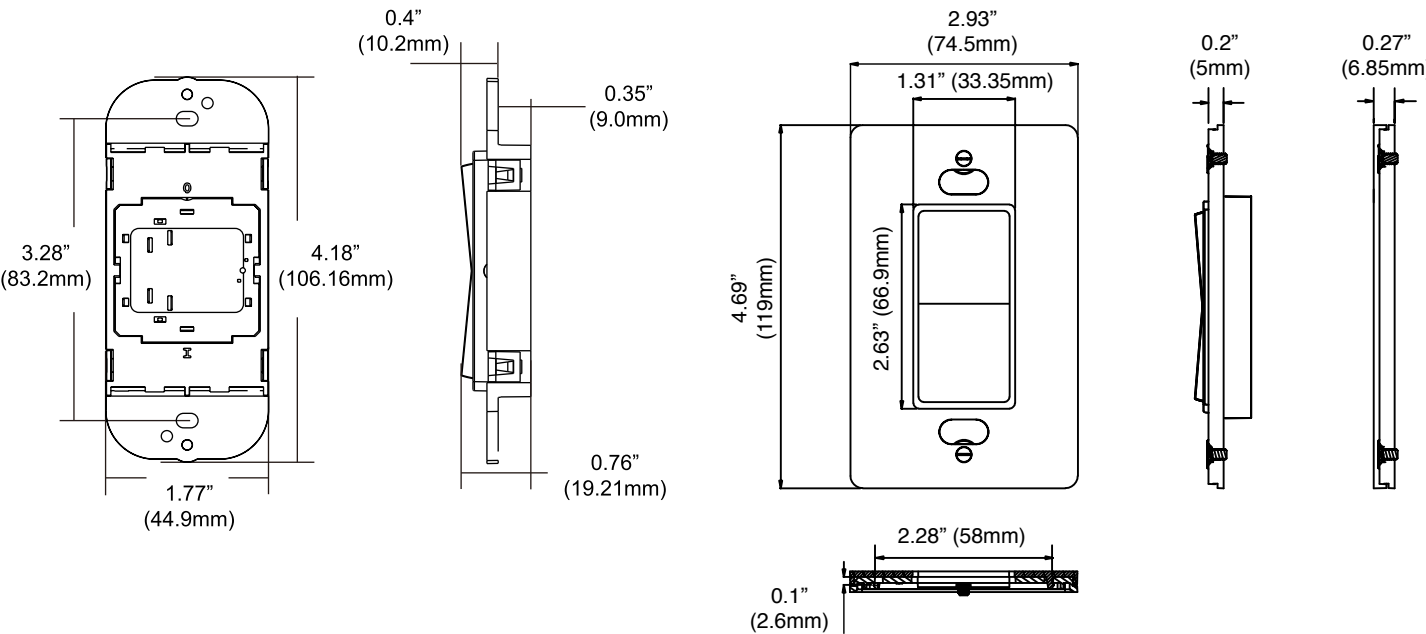
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## **AleoBlue** Wireless Bluetooth Controls

The AleoBlue is a complete solution for managing connected lighting systems using a Bluetooth Mesh lighting network. This enables seamless implementation of simple to complex lighting control scenarios without specialized training or lighting control engineering expertise.

DLC NLC Qualified.

DLC LISTED

Features and **Benefits**

- Lighting Zones / Grouping
- Manual control of individual lights
- On Power up Behavior
- Zone Linking
- Vacancy Sensing
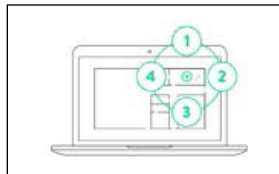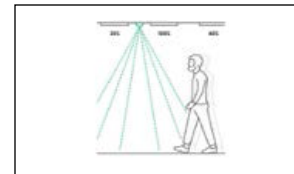- Per fixture Daylight Control
- Per zone Daylight Control
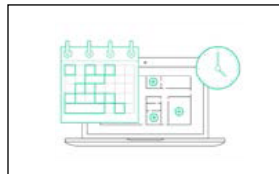
Scheduling	High and Low End Trim
	20% 60% 90%

Scenes	Occupancy Sensing

- Optimized Energy Consumption
- Less Hassle with On-Site Adjustments
- More Savings
- Increased Safety
- More Flexibility

- Intuitive and user-friendly web and iOS apps
- No specialized training or lighting control expertize required
- Optimized for commercial spaces of any size
- No additional wiring or central control box
- Customizable lighting control parameters
- Future proof with Software Updates
- Multiple Zone Configurable
- Built-In Scenarios + Customization

Bluetooth Mesh Technology Advantages

The fastest low-power communication
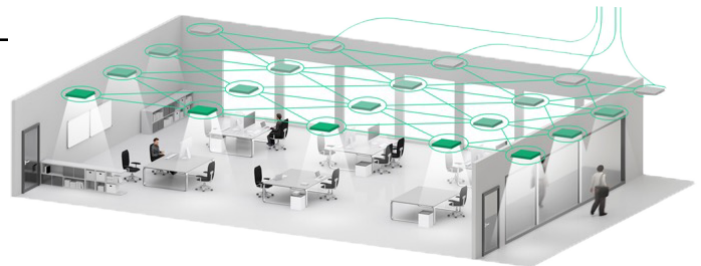
Scalability to thousands of devices

The most advanced encryption standards as well as the cutting-edge device authentication
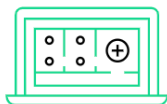
No single point of failure (no central device)

Compatibility with a widely available devices
(smart phones & tablets – both with Bluetooth 4.0
and Bluetooth 5)

Specifications and Dimensions subject to change without notice.

WM-KN-DMxR_BT-20y_spec_rev01   **Aleo Lighting, Inc.** I www.aleolighting.com I Ph: 877-358-8825
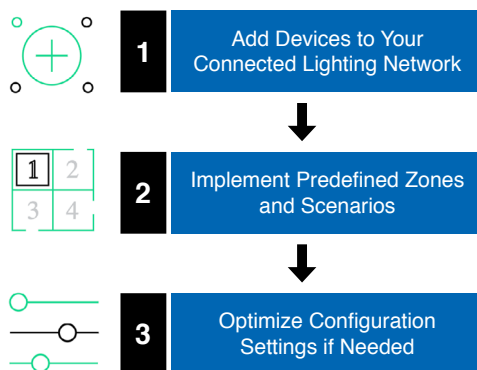
Planning

Remote preparation of a retrofit project with the use of our web app. Uploading floor plans, defining individual lighting zones and choosing lighting control scenarios.

1	Import Floor Plans
2	Define Individual Lighting Zones
3	Specify Desired Lighting Control Scenarios
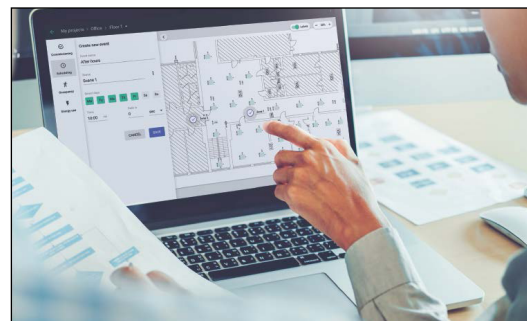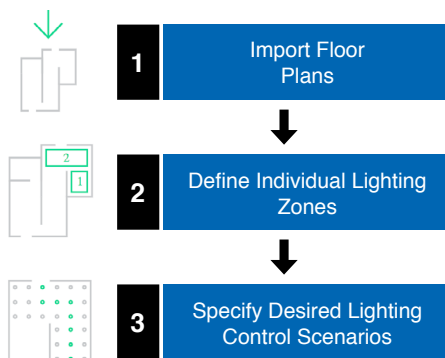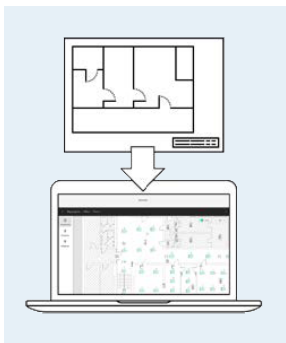
Implementation

Adding lighting devices to the Bluetooth mesh network on-site with the use of an iOS app.

Customization and calibration of lighting control parameters during and after the commissioning process. Defining scenes for specific working activities.

1	Add Devices to Your Connected Lighting Network
2	Implement Predefined Zones and Scenarios
3	Optimize Configuration Settings if Needed

Provisioning / Configurations

The Bluetooth mesh Node is in the Unprovisioned Mode until it is provisioned by a "Provisioner", which typically is a smart phone with a Bluetooth mesh compatible app.

Ordering Information

AleoBlue Wireless Single Rocker Kinetic Dimmer Switch
Model: WM-KN-DMSR/BT-200

AleoBlue Wireless Double Rocker Kinetic Dimmer Switch
Model: WM-KN-DMDR/BT-202

Specifications and Dimensions subject to change without notice.

WM-KN-DMxR_BT-20y_spec_rev01   **Aleo Lighting, Inc.** I www.aleolighting.com I Ph: 877-358-8825

Lighting Control Scenarios

Multiple lighting control scenarios are available once the Bluetooth mesh Node is provisioned. At each scenario, duration, fade time and target brightness can be configured at any time with the iOS app.
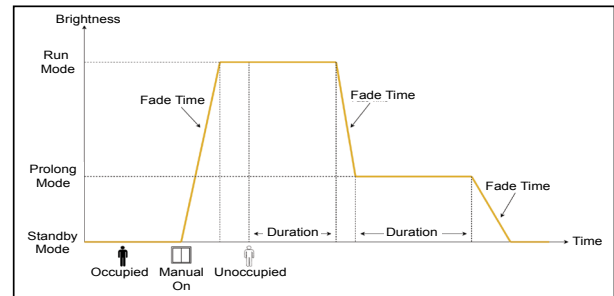
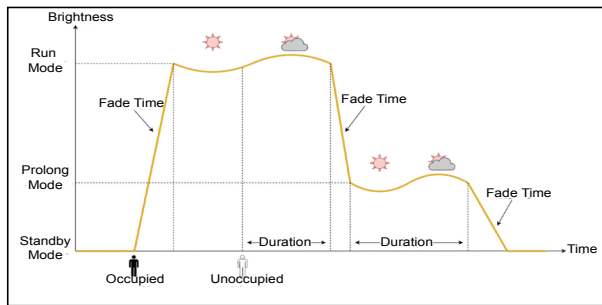| Mode / Scenario	Wireless Switch	Occupancy Sensor	Ambient Light Sensor
Unprovisioned Mode	-	-	-
Switch	On / Off / Scenes	-	-
Occupancy	On / Off / Scenes	Auto On / Off	-
Vacancy	On / Off / Scenes	Auto Off	-
Occupancy with Daylight Harvesting	On / Off / Scenes	Auto On / Off	Enabled
Vacancy with Daylight Harvesting	On / Off / Scenes	Auto Off	Enabled

Occupancy Scenario
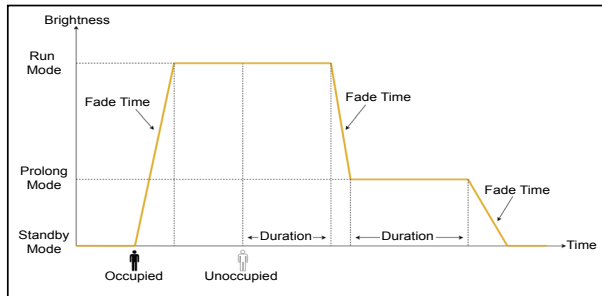
Vacancy Scenario

Occupancy Scenario - with Daylight Harvesting

Occupancy Scenario with Manual Override

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